



DATE: October 7, 1981

TO: Division File

FROM: Jack E. Holzer

SUBJECT: Winnebago County/General
Rockton/Soterion, Inc.

EPA Region 5 Records Ctr.



352047

A comprehensive inspection and sampling was conducted on the site of Soterion, Inc. The facility reclaims 499 mesh and finer high speed steel cuttings and the cooling oil. This raw material is approximately 80% solids and 20% oil by weight. It is received in barrels by truck from plants in Wisconsin, Minnesota, South Carolina and Arkansas, among others. The solid portion is made up primarily of high speed steel powder contaminated with diatomaceous earth and grinding wheel powder. At the present time, it is stockpiled in stacked barrels in buildings number 1 and number 2 and will exceed 500 tons of raw material (at 600 pounds per barrel).

In the transfer of material and general plant operations, a considerable amount of oil and other contaminated liquids are spilled inside and outside the buildings. A significant amount of residue remains, and during rains this residue is washed into nearby storm sewers and onto adjoining properties. When questioned about resolution of the runoff problem, Semans (Plant Manager and President) had proposed a runoff control and oil recovery system. However, now he says he is going to steam clean the driveway and blacktop area and restrict the traffic to one (1) lane and clean as often as necessary. This will be done once or twice a week or whatever it takes because it will still save him money in the long run. The solid residue remaining after processing of the "wheel", as Semans prefers to call it, accumulates at a rate of 8 barrels per day. Currently, it is being landfilled at a cost of about \$800.00 per month (\$5.25/barrel). Semans proposes drying this material by piling to the outside. After drying it would be used in a cement mix to pave the area around Soterion's buildings and a 4 foot high wall to the south end of the property. At this point, Semans states he will give this "wheel" material to one of the local blacktop companies because they can use this waste in their product. At this time Soterion has an Air Pollution permit issued August 18, 1981, permit number 201809 AAH and was on permit application number 81070077 for metal powder dryer which will expire July 31, 1986. Two (2) manifests were on file, (1) Interstate Pollution Control for a quantity of waste delivered 002500 gallons at site number 20103018. Waste oils, oil and water was on manifest number 0347302, authorization number 991215 by tank truck, waste hauler's signature was Dale P. Jackson and disposal, storage or treatment facility signature was Bill Skoglund.

Manifest number 2: Manifest number 0347300, Kaney Transportation, 7222 Cunningham Road, to be transported to Motor Oils Refining, 7601 West 47th Street, McCook, Illinois 60525. Site number 03117402 used oil, quantity of waste delivered 006000 gallons on November 7, 1980. No signatures appeared on the manifest for hauling and none for receiving the material. A permit issued to Motor Oils Refining Company on September 24, 1981, permit expires October 24, 1982 for 39,803 gallons on permit number 994495, site number 03117402 and generator number 2010350002. Semans states that he uses different trucking companies for transporting his raw material in from the generators and would not give the names of the trucking companies, Semans said he did not want to get them into trouble. However, all haulers do have permits from I.C.C. to move his material on the highways. Six (6) samples were taken on the site. Two (2) 32 ounce glass bottles of oil sample were taken from the 8,000 gallon above-ground storage tank located in the front end of building number 1. One (1) 32 ounce glass bottle of oil sample was taken from scavenger tank just before the oil is emulsified and purged of its high phosphorus content. Three (3) different samples were taken from the solid portion of the raw material received. Two (2) 6 ounce samples were taken from the outside dumping area between buildings 1 and 2 where the "wheel" material was dumped then pushed and spread and is being used as fill at this time. The third sample was taken from one (1) of the barrels of raw material which is being stored in building number 1 at the south end.

Mr Semans was shown two (2) pieces of correspondence that had been sent to Soterion, Inc. last year. One was from Robert A. Wengrow, Rockford Regional Manager, stating that an investigation had been conducted of the operation and that they would be required to get permits. This letter was dated May 28, 1980. The other letter was from Rama K. Chaturvedi, dated September 29, 1980 stating the Illinois Pollution Control Board requirements as well as enclosures: Environmental Protection Act, Solid Waste Rules and Regulations, Special Waste Hauling Regulations and two (2) Applications for Permits to develop solid waste management site. Mr. Semans claims he had never seen the correspondence or the Regulations up to this point. A new request will be made for applications for the permit, and a complete set of regulations to be sent to Mr. G. R. Semans, 800 Watts Avenue, Rockton, Illinois 61072, 815/6247082 or 624-2011.

JEH:mad/12-13

cc: Rockford Region
Bill Child